



**DEPARTMENT OF THE NAVY**  
NAVAL AIR WARFARE CENTER TRAINING SYSTEMS DIVISION  
12211 SCIENCE DRIVE  
ORLANDO, FLORIDA 32826-3224

IN REPLY REFER TO:  
J&A\_16\_0190

**JUSTIFICATION AND APPROVAL  
FOR USE OF OTHER THAN FULL AND OPEN COMPETITION**

**1. Contracting Activity.**

Naval Air Warfare Center Training Systems Division (NAWCTSD) - Orlando, FL

**2. Description of the Action Being Approved.**

This Justification and Approval (J&A) authorizes and approves the issuance of a sole source Firm-Fixed Price contract for the procurement of Navy E-2D Advanced Hawkeye (AHE) Network File Servers (NFS) and removable media to:

Ampex Corporation  
500 Broadway  
Redwood City, CA 94063-3117

**3. Description of Supplies/Services.**

NAWCTSD is responsible for the acquisition, fielding and life cycle support of the E-2D training system, which includes Operational Flight Trainers (OFTs), Aircrew Procedure Trainers (APT), Tactic Trainers (TTs), Courseware, and Instructor Classrooms. Ensuring the availability of a material spare support package after the trainer has been upgraded is critical in fulfilling NAWCTSD's supportability requirements in accordance with Performance Specification, PRF 070064C, for the E-2D Advanced Hawkeye Tactics Trainer Device 15F14 dated 13 August 2012 under the E-2D Hawkeye Integrated Training Systems (HITS)-II delivery order. [REDACTED]

[REDACTED] Therefore, this J&A will be for the procurement of spares for the E-2D training system and retrofits for the aircraft. Ampex will provide all labor and material, Integrated Logistics Support (ILS); obsolescence management, and software support required for the procurement of Navy E-2D NFS and removable media, including any associated vendor production, management, test, quality and configuration management efforts. The NFS hardware will be used in [REDACTED], for the Fleet retrofits of the E-2D aircraft, and spares for the E-2D flight and tactical training devices with the same type and model of NFS that has been designed, tested, and installed in [REDACTED] and beyond. The E-2D NFS must meet form, specification, fit and function requirements and are available only from the Original Equipment Manufacturer (OEM), Ampex, for the parts included in the E-2D training devices and aircraft. Only OEM, Ampex, E-2D NFS parts can be procured to ensure the integrity of the NFS is not compromised. The parts are commercial items and a corresponding Commercial Item Determination was approved on 17 February 2016. The parts required are provided as Attachment 1 and estimated delivery for the initial spares is 7 months after contract award and for all parts is 13 months after contract award. The acquisition of these parts is essential to ensure uninterrupted operational availability for the NAVAIR E-2D fleet and its training systems. The E-2D Fleet retrofit and [REDACTED] will be funded with [REDACTED] for a total estimated value of \$[REDACTED]. The E-2D trainer spares will be funded with [REDACTED] funding for a

total estimated value of \$[REDACTED]. The total estimated dollar amount is \$5,088,000. The contract funding profile is delineated in the table below.

4. Statutory Authority Permitting Other Than Full and Open Competition.

41 U.S.C. 1901 Simplified acquisition procedures, 13.5 Simplified Procedures for Certain Commercial Items

5. Rationale Justifying Use of Cited Statutory Authority.

Ampex is the original designer, developer, and manufacturer of the NFS and is the only source with the requisite knowledge, experience and technical expertise to continue production of the NFS. Ampex has designed, tested, and qualified the TS-282 FN E-2D NFS (P/N 2829901-010) and its associated Solid State Removable Storage Media (RSM) (P/N 2869920-010) and Compact Removable Storage Media (cRSM) (P/N 2269204-010). Northrop Grumman Corporation (NGC) has successfully performed integration and flight testing on the NFS design which now carries the Navy designation of the [REDACTED]. The production cut in for the TS-282 FN is [REDACTED].

[REDACTED] Therefore, the efforts described herein cannot be performed by another source other than Ampex without substantial duplication of cost to the Government which is not expected to be recovered through competition. Additionally, Ampex holds proprietary, commercial data rights for the NFS, RSM, and cRSM components.

6. Description of Efforts Made to Solicit Offers from as Many Offerors as Practicable.

Pursuant to FAR Subpart 10.001(a)(2)(ii), ongoing market research has been conducted to determine if there exists another commercially available item or non-developmental item to satisfy the Government's requirement, or if the Government's requirement could be modified such that another commercially available item or non-developmental item could satisfy the Government's requirements. It has been concluded through reliance on on-going continuous market research, that there does not exist another commercially available item or non-developmental item to satisfy the Government's requirement. The market research also finds, as indicated above, the OEM (Ampex) has proprietary, commercial data rights to these components.

In accordance with FAR 5.201, the Procuring Contracting Officer (PCO) issued a pre-solicitation notice to Federal Business Opportunities (FedBizOpps) via the Navy Electronic Commerce Online (NECO) on 12 February 2016. The intent of the notice was to ensure full consideration is given to all potential sources. The Government did not receive any responses to the posting.

7. Determination of Fair and Reasonable Cost.

In accordance with FAR Part 15.402(a), the Contracting Officer shall ensure that all supplies provided under this contract are procured at a fair and reasonable price. The contractor will submit a formal price proposal with other than certified cost and pricing data in accordance with FAR 15.403-3 and sufficient information to support the accuracy and reliability of the estimate. Ampex's proposal will be reviewed by experienced technical analysts and contract specialists with the aid of necessary field pricing support. The Contracting Officer will utilize cost and price analysis as the basis for negotiating a fair and reasonable

price. Price analyses will be conducted in accordance with FAR Part 15.404-1. Lastly, historical contract cost data and other relevant information will be utilized in the establishment of a fair and reasonable price.

8. Actions to Remove Barriers to Future Competition.

For the reason set forth in Paragraph 5, NAWCTSD has no plans at this time to compete future contracts for the types of supplies covered by this document. If another potential source emerges, NAWCTSD Orlando will assess whether competition for future requirements is feasible.